

===== Product Identification =====

Product ID:CALCIUM HYPOCHLORITE TECHNICAL

MSDS Date:03/01/1993

FSC:6810

NIIN:00-255-0471

MSDS Number: BRQND

=== Responsible Party ===

Company Name:VAN WATERS AND ROGERS

Address:2256 JUNCTION AVE

City:SAN JOSE

State:CA

ZIP:95131

Country:US

Info Phone Num:408-435-8700

Emergency Phone Num:408-435-8700/800-424-9300(CHEMTREC)

Preparer's Name:C. A. EISENHAR

D

CAGE:87664

=== Contractor Identification ===

Company Name:CHEMICAL COMMODITIES AGENCY, INC.

Address:27447 PACIFIC STREET

Box:City:HIGHLAND

State:CA

ZIP:92346-2640

Country:US

Phone:909-864-2310

CAGE:60777

Company Name:VAN WATERS AND ROGERS INC., UNIVAR CORP.

Address:1600 NORTON BLDG. 801 2ND AVENUE

Box:City:SEATTLE

State:WA

ZIP:98104-1564

Country:US

Phone:206-447-5911/800-424-9300(CHEMTREC)

CAGE:87664

===== Composition/Information on Ingredients =====

Ingred Name:CALCIUM HYP

OCHLORITE  
CAS:22464-76-2  
RTECS #:NH3485500  
Fraction by Wt: 65%  
Other REC Limits:NONE SPECIFIED

Ingred Name:INERT INGREDIENTS (INCLUDES 5.5-10% MOISTURE)  
Fraction by Wt: 35%  
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 RAT IS 850 MG/KG  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYES:SEVERE IRRITATION, BUR  
NS,  
CORNEAL DAMAGE. SKIN: SEVERE IRRITATION & BURNS. INHALATION:  
IRRITATION OF NOSE, MOUTH, THROAT, LUNGS. INGESTION:HARMFUL OR  
FATAL, IRRITATION & BURNS TO THE ENTIRE GASTROINTESTINAL TRACT.  
CHRONIC-TISSUEDESTRUCTION, LUNG DAMAGE.  
Explanation of Carcinogenicity:DATA PER MGF MSDS.  
Effects of Overexposure:INHALATION:SHORTNESS OF BREATH, WHEEZING,  
CHOCKING, CHEST PAIN. EYE: REDNESS, TEARING, PAIN, IMPAIRMENT OF  
VISION. SKIN: REDNESS, SWELLING. INGESTION: NAUSEA, VOMITING,  
DIARRHEA, ABDOMINAL PAIN, BLEED ING, AND/OR TISSUE ULCERATION.  
Medical Cond Aggravated by Exposure:RESPIRATORY DISEASES.

===== First Aid Measures =====

First Aid:INHALATION:REMOVE TO FRESH AIR, PROVIDE CPR/ OXYGEN IF  
NEEDED. EYE:FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL HELP.  
SKIN:WASH WITH SOAP AND WATER. GET MED ATTENTION IF SYMPTOMS  
PERSIST. INGESTION:DO NOT INDUCE VOMITING, DRINK 1-2 GLASSESOF  
WATER AND VEGETABLE OIL. GET MEDICA  
L HELP IMMEDIATELY.

===== Fire Fighting Measures =====

Extinguishing Media:USE WATER  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL  
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE  
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. TIGHTLY CLOSED  
CONTAINERS MAY RUPTURE.

===== Accidenta

## I Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTION. SWEEP MATERIAL INTO A CONTAINER, SEAL CONTAINER TIGHTLY. WASH RESIDUE WITH LARGE AMOUNTS OF WATER.

## ===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY AND WELL VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:DO NOT TAKE INTERNALLY. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. UPON CONTACT, WASH OFF WITH WATER.

## ===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/ACID GAS IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

Ventilation:USE LOCAL EXHAUST VENTILATION TO MINIMIZE DUST AND CHLORINE LEVELS.

Protective Gloves:NEOPRENE OR PVC

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING, EYE-WASH FACILITIES, SAFETY SHOWER.

Work Hygienic Practices:WORK IN A WELL VENTILATED AREA.

Supplemental Safety and Health

## ===== Physical/Chemical Properties =====

HCC:D1

Boiling Pt:B.P. Text:DECOMP 180C

Solubility in Water:21.7%

Appearance and Odor:WHITE POWDER, SLIGHT CHLORINE ODOR

## ===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS, COMBUSTIBLES, ORGANIC MATERIALS AND REDUCING AGENTS.

Stability Condition to Avoid:TEMPERATURE ABOVE 177C

Hazardous Decomposition Products:CHLORINE GAS

===== Disposal Considerations =====

Waste Disposal Methods:EPA HAZARDOUS WASTE NUMBER D001. DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

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